			(AA)
	Application No.	Applicant(s)	- (pw
Notice of Allowability	10/715,077	VARANASI ET AL.	
	Examiner	Art Unit	
	Patrick G. Wamsley	2819	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	rars on the cover sheet with the (OR REMAINS) CLOSED in this a or other appropriate communicati GHTS. This application is subject	application. If not included on will be mailed in due co	urse. THIS
1. \boxtimes This communication is responsive to <u>an amendment filed c</u>	<u>n 12/12/2005</u> .		
2. The allowed claim(s) is/are <u>1,2,5-10,13,14 and 16</u> .			
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 			;
2. Certified copies of the priority documents have	been received in Application No.	•	
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ly complying with the requi	rements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PT	O-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of	•
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the			ack) of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			te the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Summa Paper No./Mail D 8), 7. ⊠ Examiner's Amen	Date <u>01/05/2006</u> .	·

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REASONS FOR ALLOWANCE

Claims 1-2, 5-10, 13-14 and 16 are allowed

The following is an examiner's statement of reasons for allowance: the references of record neither reveal nor render obvious the recited combination, including the concepts of mapping a data word unchanged if the sign of its RDS is different than the sign of the current RDS for a code word sequence, but complementing the data word if the signs are the same.

U.S. Patent 6,961,010 to Tsang constrains RDS values for a sequence of successive code words. U.S. Patent 6,430,230 to Cunningham et al inverts data words on the basis of RDS and disparity. U.S. Patent 5,450,443 to Siegel et al accumulates a running sum for first moment values [Fig. 1: 16]. U.S. Patent 4,408,189 to Betts et al selectively inverts words to limit RDS values for quaternary-level symbols.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick G. Wamsley whose telephone number is (571) 272-1814. The official facsimile number is (571) 273-8300. An alternate facsimile number, (571) 273-1814, should only be used for unofficial documents.

January 5, 2006

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicant's representative, David D. Brush, on 01/05/2006.

The application has been amended as follows:

Cancel non-elected claims 17 and 18.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick G. Wamsley whose telephone number is (571) 272-1814. The official facsimile number is (571) 273-8300. An alternate facsimile number, (571) 273-1814, should only be used for unofficial documents.

January 5, 2006